Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/30/2021 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124550	-1	1.20	124469	1.15
Blue	F	SSC	125000	121497	-3	2.44	121812	2.27
Blue	E	FITC	13131	12607	-4	2.24	289	15.41
Blue	D	PE	24112	23559	-3	1.58	542	10.98
Blue	B	PerCP-Cy5-5	31295	30405	-3	2.97	1007	14.57
Blue	A	PE-Cy7	19939	19466	-3	5.24	516	29.24
Red	C	APC	42122	41199	-3	3.05	1730	11.44
Red	A	APC-Cy7	22340	21533	-4	3.39	806	11.94
Violet	B	V450	7410	7060	-5	3.97	429	12.98
Violet	A	V500	28118	26768	-5	3.56	666	10.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23105	1.19	566	-3	N/A	N/A	Pass
Blue	F	SSC	56756	1.02	520	8	N/A	N/A	Pass
Blue	E	FITC	53	56.10	486	-1	0.0451	166	Pass
Blue	D	PE	113	37.53	489	1	0.3721	276	Pass
Blue	B	PerCP-Cy5-5	186	36.49	585	-1	0.0198	85	Pass
Blue	A	PE-Cy7	103	70.01	627	-1	0.0223	8	Pass
Red	C	APC	400	24.48	580	4	0.0282	240	Pass
Red	A	APC-Cy7	180	28.24	554	3	0.0060	1051	Pass
Violet	B	V450	60	64.34	455	2	0.0545	2078	Pass
Violet	A	V500	96	36.63	466	1	0.0263	1209	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.58	-31.41	1.14
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.10	13.60 - 20.40	N/A	N/A	29.98	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10032

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments